

EPA Region 8 Nutrient Criteria Technical Workshop / RTAG

EPA Region 8 Conference Center: Rocky Mountain / Sagebrush
Denver, Colorado
May 6–8, 2014

TUESDAY, MAY 6	
8:00–8:20	Introductory Remarks <i>Bert Garcia, EPA Region 8</i> <i>Betsy Behl and Dana Thomas, EPA Headquarters</i>
8:20–8:30	Agenda Overview and Logistics <i>EPA Region 8</i>
8:30–9:30	Using Assessment Endpoints to Link Management Goals to Numeric Criteria <i>Galen Kaufman, EPA Headquarters</i>
9:30–10:30	Reference Condition Approach: Advances Since 2000 <i>Lester Yuan, EPA Headquarters</i>
10:30–10:45	BREAK
10:45–11:45	Using Stressor-Response Relationships to Derive Numeric Nutrient Criteria <i>Lester Yuan, EPA Headquarters</i>
11:45–1:00	LUNCH
1:00–1:45	Algal Response to Total Phosphorus in EPA Region 8 Lakes and Reservoirs <i>Dave Moon, EPA Region 8</i>
1:45–2:45	Mechanistic Modeling for Deriving Numeric Nutrient Criteria <i>Steve Whitlock, EPA Headquarters</i>
2:45–3:00	BREAK
3:00–3:45	Deriving Numeric Criteria for Nitrogen and Phosphorus for a Large River using a Computer Simulation Model: <i>Lower Yellowstone River</i> <i>Mike Suplee, MDEQ</i>
3:45–4:30	Methods for Developing Site-specific Numeric Nutrient Criteria in Montana <i>Mike Suplee, MDEQ</i>
4:30–5:00	Group Discussion
5:30	Group Dinner <i>Thirsty Lion Pub and Grill</i>

1605 Wynkoop Street

WEDNESDAY, MAY 7	
8:00–9:45	State Presentations Update on North Dakota Nutrient Reduction Strategy <i>Mike Ell, NDDH</i> Overview of Montana’s Proposed Numeric Nutrient Standards and their Implementation <i>Mike Suplee, MDEQ</i>
9:45–10:00	BREAK
10:00–11:00	Downstream Protection <i>Steve Whitlock, EPA Headquarters</i>
11:00–12:00	Combined Numeric Nutrient Criteria (Bioconfirmation) <i>Lester Yuan, EPA Headquarters</i>
12:00–1:15	LUNCH
1:15–3:00	State Presentations Utah’s Nutrient Approach <i>Jeff Ostermiller, UDWQ</i> Wyoming Statewide Nutrient Strategy <i>Lindsay Patterson, WYDEQ</i>
3:00–3:15	BREAK
3:15– 4:30	Discussion of Approaches for NNC Development for Plains Rivers General Introduction <i>EPA Region 8</i> Overview of the Red River Characteristics <i>Mike Ell, NDDH</i> Lessons Learned from Other Experiences <u>Objective:</u> Discuss other Region 8 state examples and examples from outside Region 8 Group Discussion <u>Objective:</u> Sketch out a conceptual model for causal and response indicators in these systems and outline an approach for deriving criteria for Plains Rivers
4:30–5:00	Group Discussion
THURSDAY, MAY 8	

8:00–8:15	Introduction to Implementation Issues <i>EPA Region 8</i>
8:15–8:45	Duration and Frequency in Numeric Nutrient Criteria <i>Galen Kaufman, EPA Headquarters</i>
8:45–9:15	State Example of Duration and Frequency Process by which Montana DEQ Derived a Low-flow Design Flow for Permitting Nutrient Discharges <i>Mike Suplee, MDEQ</i>
9:15–9:30	BREAK
9:30–10:30	Using EPA’s Recovery Potential Tool to Prioritize Nutrient Reductions <i>Jeff Ostermiller, UDWQ</i>
10:30–11:00	Technology-Based Limits for Permitting <i>EPA Region 8</i>
11:00–12:00	State Assessment Methods for Nutrients Panel Presentation Brief Overview for Utah, Montana, and North Dakota <i>Jeff Ostermiller, UDWQ</i> <i>Mike Suplee, MDEQ</i> <i>Mike Ell, NDDH</i> Group Discussion
12:00–12:30	Wrap Up and Adjourn <i>Dana Thomas, EPA Headquarters</i> <i>EPA Region 8</i>